

**53010, A NOVEL HUMAN CARBOXYLESTERASE FAMILY MEMBER  
AND USES THEREOF**

**Abstract**

The invention provides isolated nucleic acids molecules, designated 53010  
5 nucleic acid molecules, which encode novel carboxylesterase members. The invention  
also provides antisense nucleic acid molecules, recombinant expression vectors  
containing 53010 nucleic acid molecules, host cells into which the expression vectors  
have been introduced, and nonhuman transgenic animals in which a 53010 gene has been  
introduced or disrupted. The invention still further provides isolated 53010 proteins,  
10 fusion proteins, antigenic peptides and anti-53010 antibodies. Diagnostic methods  
utilizing compositions of the invention are also provided.

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